

L2 ANSWER 56 OF 267. CA COPYRIGHT 2004 ACS on STN
AN 132:223807 CA
ED Entered STN: 14 Apr 2000
TI Preparation of cellulase synergistic protector solution and its use in
treating cellulose fiber
IN Zhang, Mei; Zhang, Xiaoling; Liu, Ruiqiong; Tu, Zaorui
PA Beijing Inst. of Textile Science, Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 10 pp.
CODEN: CNXXEV
DT Patent
LA Chinese
IC ICM D06M016-00
CC 40-7 (Textiles and Fibers)
Section cross-reference(s): 7, 43, 44, 46

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1199116	A	19981118	CN 1997-111773	19970514
PRAI	CN 1997-111773			19970514	

CLASS

	PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
	CN 1199116	ICM	D06M016-00

AB The protector is composed of 0.5-5.0 M alc. soln. 1-35, 0.2-1.5 M nonionic surfactant soln. 0.1-10.0, 0.05-1.0 M polysaccharide soln. 0.4-7.0, 0.5-1.0 M org. acid 0.05-2, and water to 100%. The protector may contain 0.1-0.9 M inorg. salt 0.5-10%. The alc. is selected from ethanol, ethylene glycol, glycerin, pentaerythritol, polyethylene glycol, and sorbitol; the surfactant from Tween-20, polyoxyethylene alkyl ether, polyoxyethylene aryl ether, polyoxyethylene alkyl ester, polyoxyethylene aryl ester, polyoxyethylene alkylphenol ether, and polyethylene glycol sorbitol laurate; the polysaccharide from methylcellulose, ethylcellulose, hydroxymethylcellulose, lactose, and sucrose; the org. acid from formic acid, acetic acid, propanoic acid, and oxalic acid; and the inorg. salt from NaCl, NaOAc, Na formate, Na₃PO₄, NaH₂PO₄, Na₂HPO₄, Ca formate, Ca(OAc)₂, CaCl₂, MgCl₂, and Mg(OAc)₂. The cellulose type fiber is treated by soaking the fiber in the protector soln. at 45-55.degree. and pH 4.5-5.5 for 30-90 min. The ratio of the protector-cellulose fiber is 0.2-5:100.

ST cellulase protector prepn cellulose fiber treatmen